Table A. Analysis of a field experiment conducted in Mississippi 2015. "Transf." refers to the data transformation to improve normality, and "Brood area" refers to the surface area of capped brood. "NS" indicates that the "Imidacloprid" factor was not significant at α =0.05; the main effects for those analyses are provided. Analyses were conducted using mixed-model ANOVA, with adult bee population estimates prior to treatment used as covariates. For each analysis, an appropriate covariance structure was chosen using the Akaike Information Criterion. Degrees of freedom were calculated using the Kenward-Roger method.

Period	Dep. var.	Transf.	Covar. struct.	Factors	Num. d.f.	Den. d.f.	F	P
Apr July	Brood area			Coumaphos, Date				NS
Aug Nov.	Brood area	none	ante(1)	Coumaphos	1	19.34	3.11	0.0934
				Imidacloprid	2	18.23	3.7	0.0449
				Couma*Imid	2	17.64	8.72	0.0023
				Date	2	53	42.47	< 0.0001
				Date*Couma	2	53	4.29	0.0188
				Date *Imid	4	53	3.07	0.024
				Date*Couma*Imid	4	53	0.64	0.636
				Occupied spaces	1	18.9	0.72	0.4073

Table B. Post hoc contrast results (1^{st} group -2^{nd} group) for the effects of imidacloprid exposure on capped brood data from a field experiment conducted in Mississippi 2015. "Couma" refers to the presence or absence of added coumaphos to the bee diet in the spring, "Imida" refers to the concentration of imidacloprid in ppb in sugar syrup fed to bees in July and August. "Value" refers to the value of the contrast.

1 st group		2 nd gr	roup	Capped brood area		
Couma	Imida	Couma	Imida	Value	P	
no	0	no	5	69.85	0.584	
no	0	no	20	91.37	0.052	
no	0	yes	0	47.46	1.000	
no	0	yes	5	-31.97	1.000	
no	0	yes	20	34.14	1.000	
no	5	yes	0	-22.39	1.000	
no	5	yes	5	-101.82	0.090	
no	5	yes	20	-35.71	1.000	
no	20	no	5	-21.52	1.000	
no	20	yes	0	-43.91	1.000	
no	20	yes	5	-123.34	0.005	
no	20	yes	20	-57.23	0.962	
yes	0	yes	5	-79.44	0.114	
yes	0	yes	20	-13.33	1.000	
yes	20	yes	5	-66.11	0.255	